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Attorney Docket No. 027-040001US  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2874

Examiner: Daniel J. Petkovsek

Confirmation No. 2183

IN RE THE APPLICATION OF:

INVENTORS: Wil MCCARTHY and Gary E. SNYDER

APPLICATION NO.: 09/964,927

FILING DATE: 26 SEPTEMBER 2001

TITLE: FIBER INCORPORATING QUANTUM DOTS AS  
PROGRAMMABLE DOPANTS

**THIRD AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Signature: 

Name: Adam Malmut

Sir:

This letter is in response to a final Office action dated 2 January 2004. This response is submitted within two months of the mailing date of the final Office action. An advisory action is requested.

Amendments to the claims begin on page 2.

Amendments to the drawings begin on page 5. Replacement drawing sheets are enclosed.

Remarks/arguments discussing the amendments and responding to the Office action begin on page 6.